CERES Systems Engineering Committee

Members: Tammy Ayers, SAIC
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Charter: Serve as a forum for resolving issues which affect more than one working group. Report to CERES Data Management Team.

March 10, 2004

The Systems Engineering Committee was asked to estimate the disk size requirements for providing a QA area where productions files could be accessed by the Data Management Team. The CERES Subsystem Leads reviewed the file designations in their operator's manuals and reported changes to the committee. The new requirements for QA disk space were requested in two categories. Approximately 253 Gigabytes of disk space was requested for files that would be available for at least 7 days and approximately 203 Gigabytes of disk space was requested for files that would be permanently available. The tables shown below contain the individual PGE requirements and were presented by Sandy Nolan at the March 10, 2004 CERES DMT meeting.

Table 1: Temporary QA -7 days

SS/PGE	# Months	# Inst	Size per Instrument per month	PGE Total-MB	SS Total GB
1.1P3 or 1.1P5	4	2	16430	131,440	
1.1P4 or 1.1P6	4	2	805	6440	
1.3P1	4	2	120	960	
1.3P2	4	2	2	16	
1.3P3	4	8	13952	111608	251 G
4.1-4.1P2 or 4.1-4.1P3	3	2	23	138	
4.1-4.3P1	3	1	335	1005	1.143

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Table 1: Temporary QA -7 days

SS/PGE	# Months	# Inst	Size per Instrument per month	PGE Total-MB	SS Total GB
4.5-6.1P2 or 4.5-6.1P3 or 4.5-6.3P2 or 4.5-6.3P3	3	2	90	540	0.540
5.1P1	3	2	70	420	0.420
				TOTAL	**253 Gig**

Table 2: Permanent QA

SS	# Months	Instrument	Size per Instrument	PGE Total-MB	SS Total GB
Instrument	9	TRMM	3.4	31	
Instrument	60	Terra	3.4	408	
Instrument	60	Aqua		408	0.8
Clouds	60	Terra	1680	100800	
Clouds	60	Aqua	1680	100800	202
				TOTAL	**203 Gig**